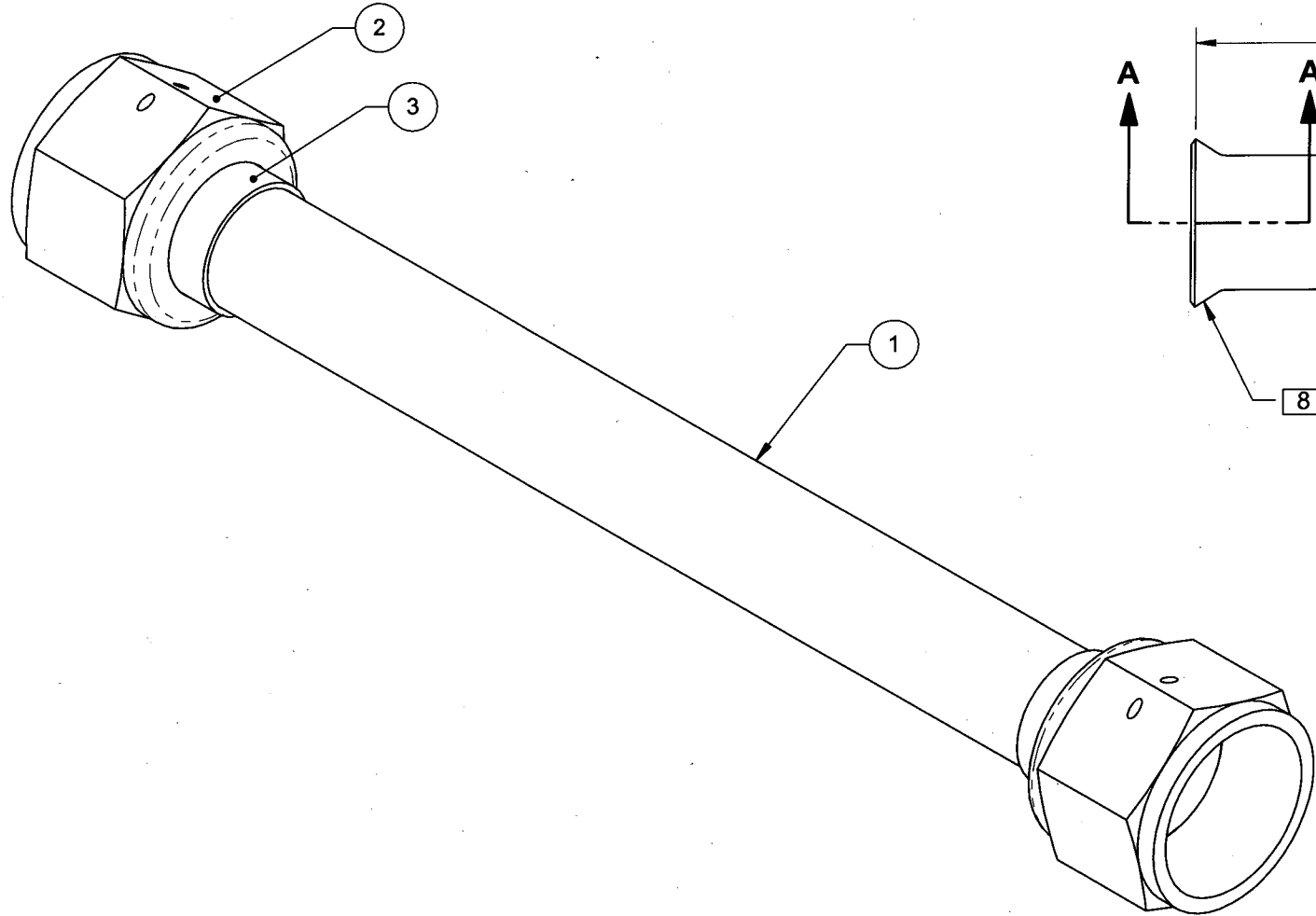
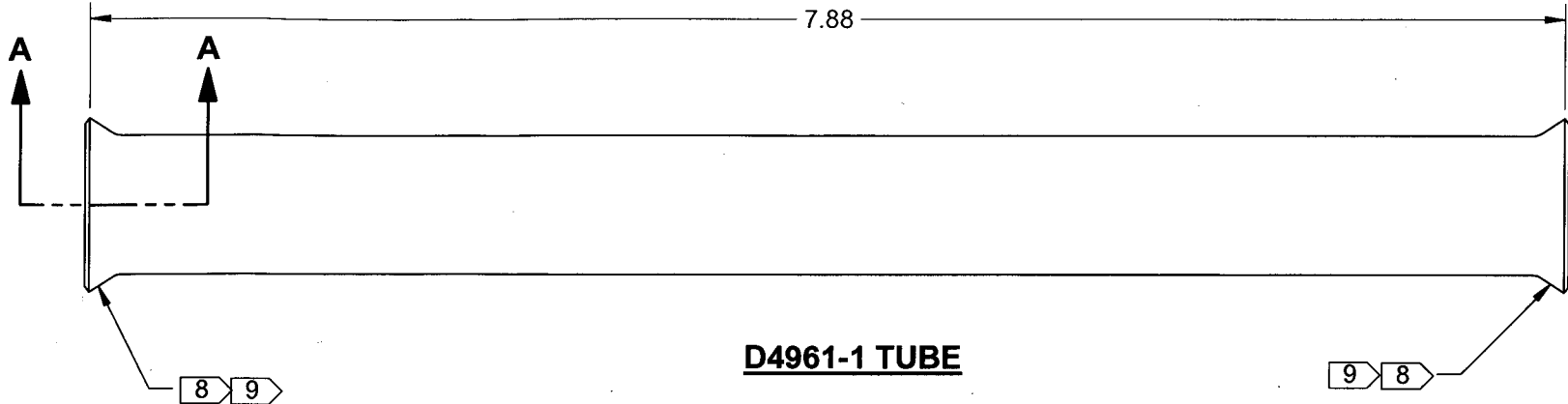


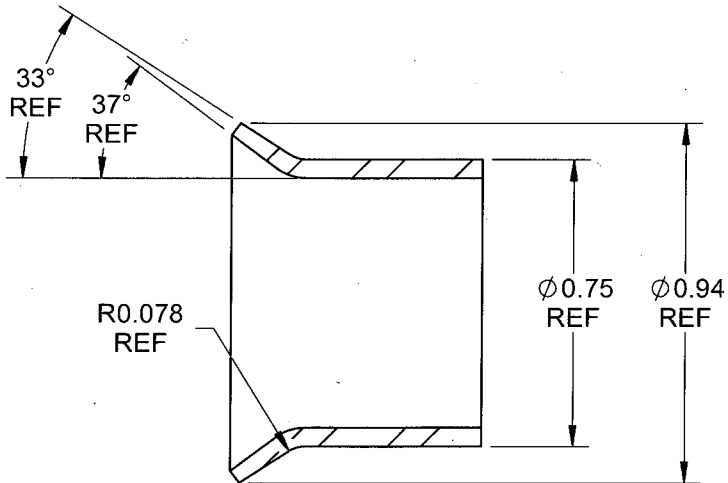
| ITEM | QTY -041 | P/N | DESCRIPTION |
|------|-------------|-------------|------------------------------|
| | X | D4961-041 | TUBE ASSEMBLY |
| 1 | 1 | D4961-1 | TUBE |
| 2 | 2 | AN818-L12J | NUT, TUBE COUPLING (DRILLED) |
| 3 | 2 | MS20819-12J | SLEEVE |



D4961-041 TUBE ASSEMBLY



D4961-1 TUBE



SECTION A-A

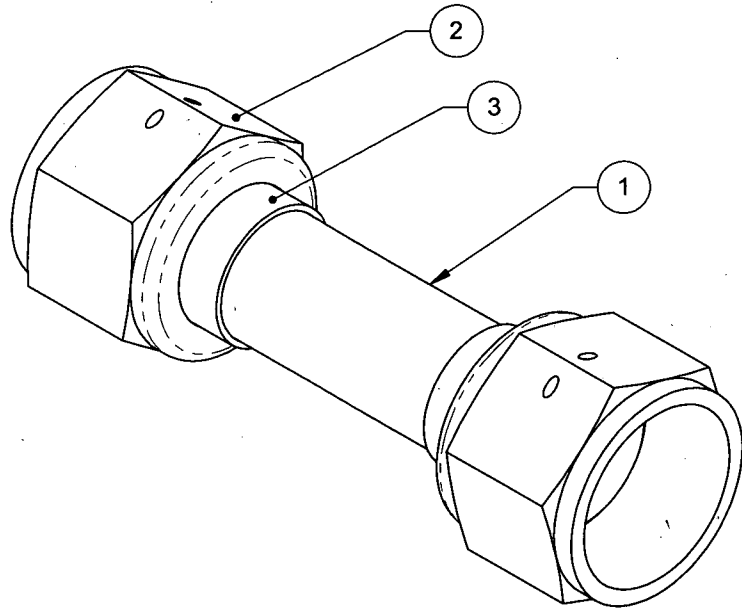
- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING, $\varnothing 0.750 \times 0.049$ WALL PER ASTM A213 OR ASME SA213 OR ASTM A269 (REF DART SPEC M304TR)
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.59 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) CLEAN INSIDE OF TUBE AFTER FLARING ENDS

| C | ADDED D4961-045 (SHEET 3) | CC | 16.06.21 |
|------------|---|---|----------|
| B | UPDATED BOM P/N AN818-L12J WAS AN818-12J. ADDED SHEET 2 (D4961-043) | AK | 14.11.07 |
| A | NEW ISSUE | VS | 13.10.21 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | VS | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | CC | | |
| CHECKED | VS | DRAWING NO. D4961 | |
| MFG. APPR. | DD | REV. C SHEET 1 OF 3 | |
| APPROVED | HS | TITLE TUBE ASSEMBLY | |
| DE APPR. | DS | SCALE NTS | |
| DATE | 16.06.21 | <small>COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

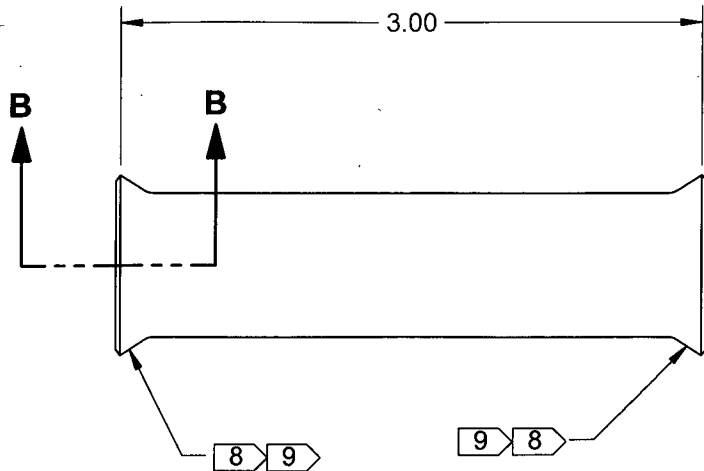
RELEASED
2016-08-04
EEN 16-622

APPROVED

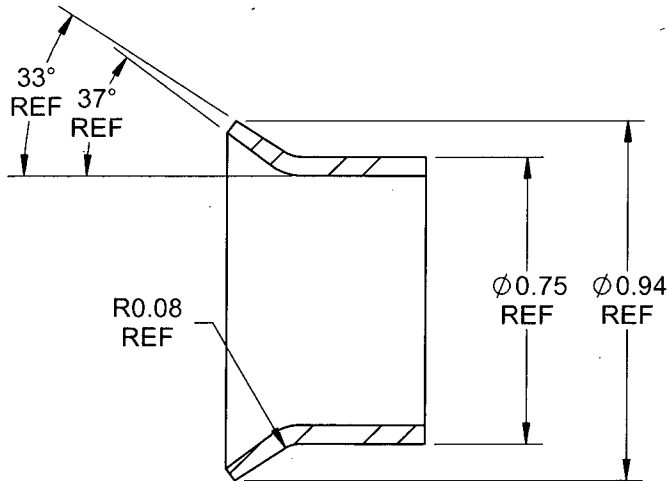
| ITEM | QTY -043 | P/N | DESCRIPTION |
|------|-------------|-------------|------------------------------|
| | X | D4961-043 | TUBE ASSEMBLY |
| 1 | 1 | D4961-3 | TUBE |
| 2 | 2 | AN818-L12J | NUT, TUBE COUPLING (DRILLED) |
| 3 | 2 | MS20819-12J | SLEEVE |



D4961-043 TUBE ASSEMBLY



D4961-3 TUBE



SECTION B-B

NOTES:

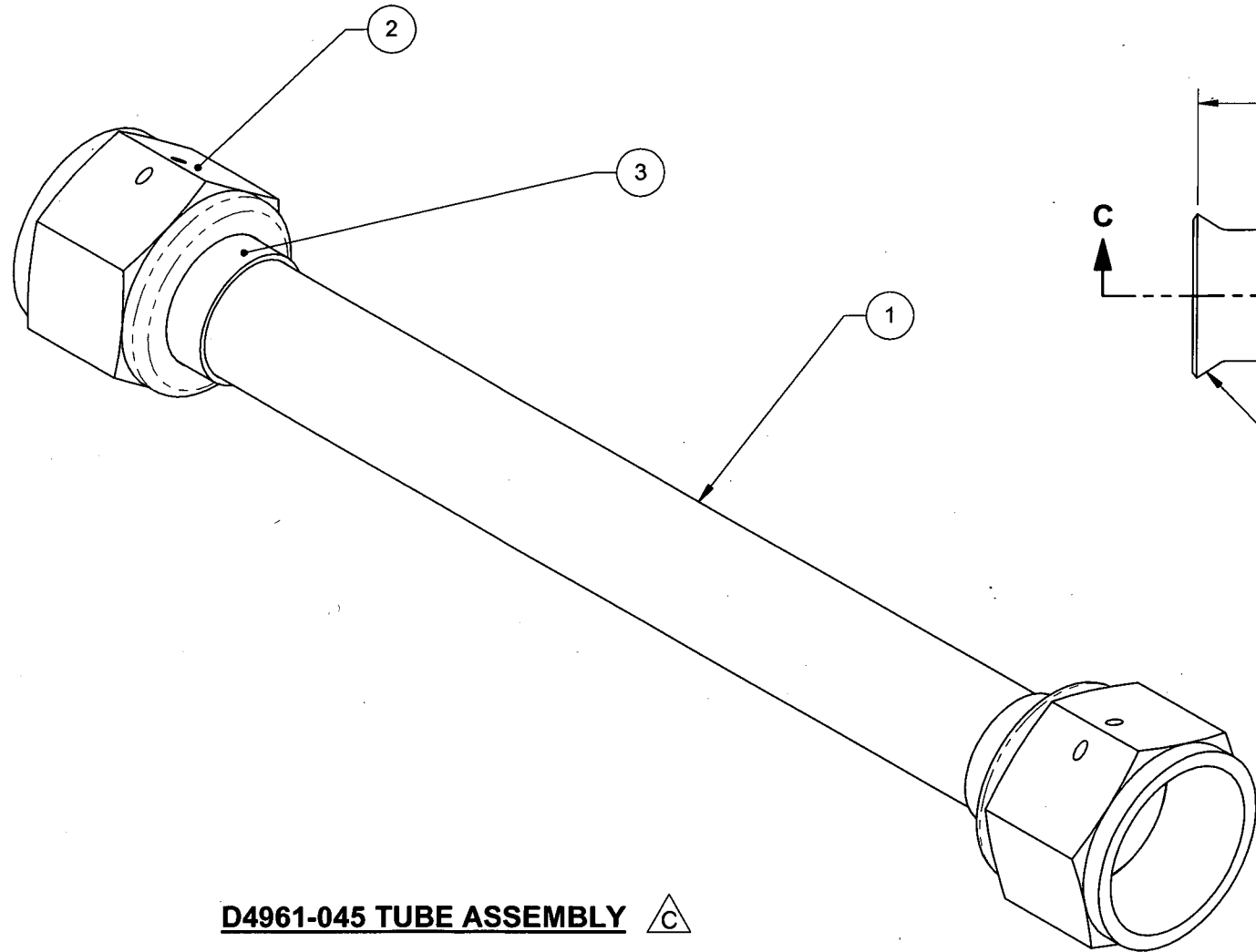
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING, $\varnothing 0.750 \times 0.049$ WALL PER ASTM A213 OR ASME SA213 OR ASTM A269 (REF DART SPEC M304TR)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.44 lbs
- 8) FLARE TUBE PER MS33584
- 9) CLEAN INSIDE OF TUBE AFTER FLARING ENDS

RELEASED
2016-08-04

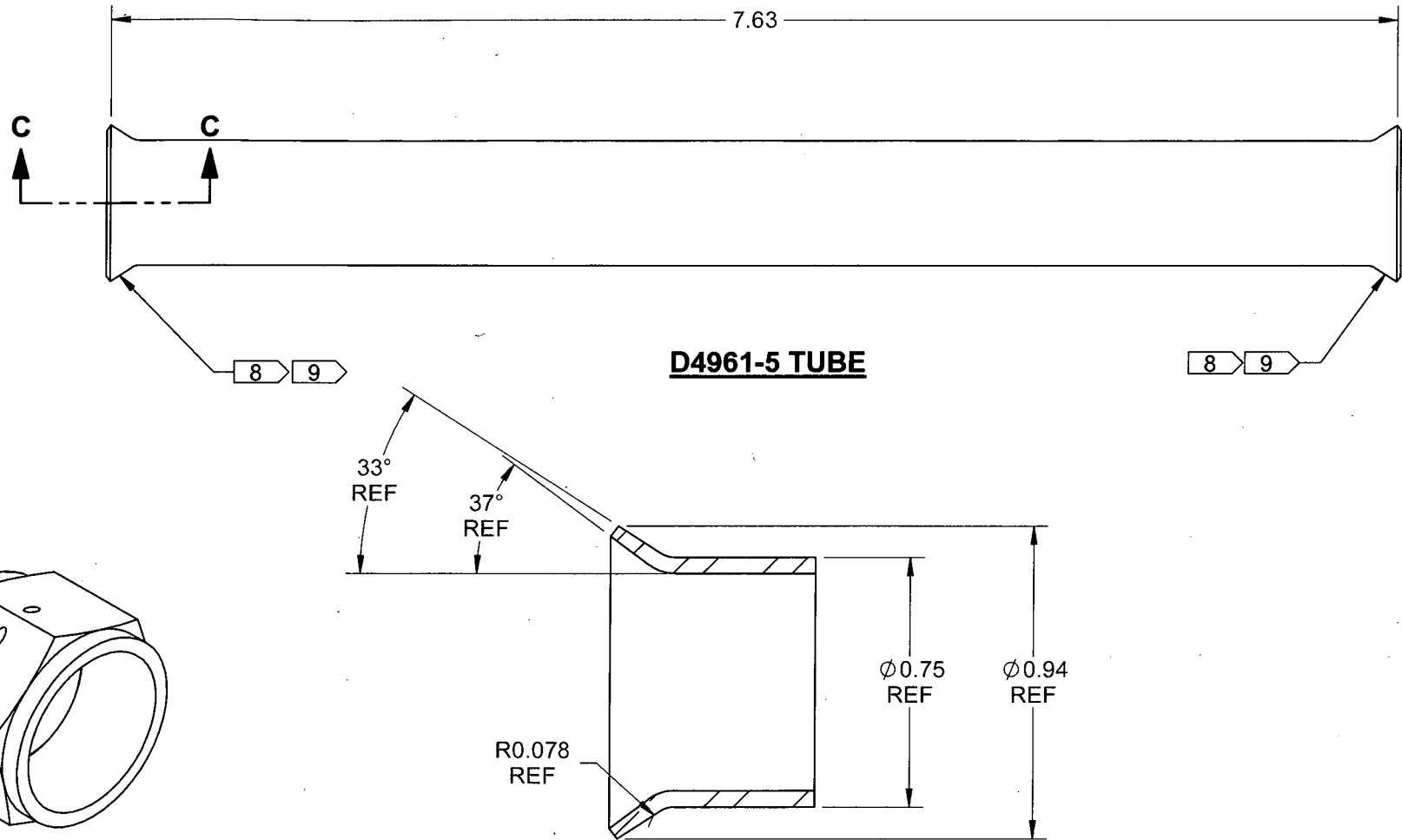
APPROVED

| | | | |
|------------|----------|--|--------|
| DESIGN | VS | DART AEROSPACE LTD | |
| DRAWN | CC | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | VS | DRAWING NO. D4961 | REV. C |
| MFG. APPR. | DD | SHEET 2 OF 3 | |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | TUBE ASSEMBLY | NTS |
| DATE | 16.06.21 | <small>COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

| ITEM | QTY -045 | P/N | DESCRIPTION |
|------|-------------|-------------|---------------|
| | X | D4961-045 | TUBE ASSEMBLY |
| 1 | 1 | D4961-5 | TUBE |
| 2 | 2 | AN818-L12J | NUT |
| 3 | 2 | MS20819-12J | SLEEVE |



D4961-045 TUBE ASSEMBLY



D4961-5 TUBE

SECTION C-C

- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING, $\phi 0.750 \times 0.049$ WALL PER ASTM A213 OR ASME SA213 OR ASTM A269 (REF DART SPEC M304TR)
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.59 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) CLEAN INSIDE OF TUBE AFTER FLARING ENDS

RELEASED
2016-08-04

APPROVED

| | | | |
|------------|----------|--|--------------|
| DESIGN | VS | DART AEROSPACE LTD | |
| DRAWN | CC | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | VS | DRAWING NO. | REV. C |
| MFG. APPR. | DD | D4961 | SHEET 3 OF 3 |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | TUBE ASSEMBLY | NTS |
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